

What claimed is:

1. A dressing material for treating or alleviating diseases or conditions of an individual in need of promoting the proliferation or differentiation of epithelial cells, wherein said dressing material comprises a therapeutically effective amount of inorganic elements silicon and/or calcium microparticles, and an optional pharmaceutically acceptable carrier and/or excipient.
2. A dressing material according to claim 1, wherein said dressing material comprises both inorganic elements silicon and calcium microparticles.
3. A dressing material according to claim 1, wherein said silicon and/or calcium microparticles are present in the form of single element microparticles or composite elements microparticles.
4. A dressing material according to claim 1, wherein said microparticles are soluble.
5. A dressing material according to claim 1, wherein said microparticles have a diameter of from 100 nm to 100 μ m.
6. A dressing material according to claim 1, wherein said inorganic element silicon is selected from any silicon-containing compound such as SiO_2 , NaAlSiO_2 , KAlSiO_2 etc., or any combination thereof.
7. A dressing material according to claim 1, wherein on the basis of relative stoichiometric percentage, the content of silicon is 0-100%, and the

content of calcium is 0-100%.

8. A dressing material according to claim 1, wherein said inorganic element calcium is present in the form of any calcium-containing compound such as CaO, CaSO₄, CaPO₄, CaCl₂ etc., or any combination thereof.

9. A dressing material according to claim 1, wherein said dressing material further comprises antibiotics, conventional topical anesthetic drugs, or other factors being capable of promoting the proliferation of epithelial cells, such as collagens and/or epithelial growth factor, or any combination thereof.

10. A dressing material according to claim 1, wherein said dressing material is present in the form of powder, ointment or patch.

11. A dressing material according to claim 1, wherein said dressing material is a dressing material for the wound surface of skin to be used to promote the repair or healing of the wound surface of skin.

12. A dressing material according to claim 1, wherein said diseases or conditions are selected from the group consisted of incised wounds, contusions, burns, scalds, chemical burns, bedsores, various ulcers on the surface of skin, and the like.

13. A dressing material according to claim 1, wherein said individual is an animal, in particular a mammalian (such as an ape, cattle, horse, pig, sheep, rodent, goat, dog, cat, rabbit), preferably a human.

14. Use of inorganic elements silicon and/or calcium in the manufacture of

a dressing material for treating or alleviating diseases or conditions of an individual in need of promoting the proliferation or differentiation of epithelial cells.

15. Use according to claim 14, wherein said dressing material is used as a surface coating layer of various devices to be implanted in vivo.

16. Use according to claim 15, said devices to be implanted in vivo is metal stents for coronary artery.

17. Use according to claim 14, wherein said diseases or conditions are selected from the group consisted of incised wounds, contusions, burns, scalds, chemical burns, bedsores, various ulcers on the surface of skin, and the like.

18. Use according to claim 14, wherein said inorganic elements silicon and/or calcium are microparticles having a diameter of from 100 nm to 100 μm .

19. A method of promoting the proliferation of epithelial cells in vitro, wherein said method comprises applying a proliferation effective amount of silicon and/or calcium microparticles to said epithelial cells.

20. A method according to claim 19, wherein the final concentration of silicon is from 1 to 100 ppm.

21. A method according to claim 19, wherein the final concentration of calcium is from 1 to 33 ppm.

22. A method according to claim 19, wherein said microparticles have a diameter of from 100 nm to 100 μm .

23. A method according to claim 19, wherein said inorganic elements silicon and/or calcium is any silicon-containing and/or calcium-containing compound such as SiO_2 , NaAlSiO_2 , KAlSiO_2 , CaO , CaSO_4 , CaPO_4 , CaCl_2 etc., or any combination thereof.